ABSTRACT OF THE DISCLOSURE

In one embodiment of the invention, a NAT processor includes a table and a parser. The table stores a plurality of entries for a packet in a sequence of packets of a message transmitted from the first network to the second network. The entries include a first connection identifier corresponding to the first network. The entries are obtained from a description file of the packet. The parser is coupled to the table to parse the sequence of packets using the table. The parser extracts the first connection identifier.